

**WEST**[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

| Terms  | Documents |
|--|-----------|
| L5 and ((determin\$ or distinguish\$ or discriminat\$) near9 time) | 4         |

**Database:**

- US Patents Full-Text Database
- US Pre-Grant Publication Full-Text Database**
- JPO Abstracts Database
- EPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

**Search:**

L7

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History**
**DATE:** Wednesday, August 07, 2002    [Printable Copy](#)    [Create Case](#)
**Set Name Query**  
 side by side

**Hit Count Set Name**  
 result set

*DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

|           |  |    |           |
|-----------|--|----|-----------|
| <u>L7</u> | L5 and ((determin\$ or distinguish\$ or discriminat\$) near9 time) | 4  | <u>L7</u> |
| <u>L6</u> | L5 and cursor and ((already or previous\$) near12 purchas\$)       | 0  | <u>L6</u> |
| <u>L5</u> | program guide and (pay-per-view or ppv)                            | 25 | <u>L5</u> |

*DB=USPT; PLUR=YES; OP=ADJ*

|           |  |     |           |
|-----------|--|-----|-----------|
| <u>L4</u> | L3 and cursor and ((already or previous\$) near12 purchas\$)       | 14  | <u>L4</u> |
| <u>L3</u> | L2 and ((determin\$ or distinguish\$ or discriminat\$) near9 time) | 44  | <u>L3</u> |
| <u>L2</u> | L1 and color\$ and purchas\$ and time and channel                  | 68  | <u>L2</u> |
| <u>L1</u> | program guide and (pay-per-view or ppv)                            | 203 | <u>L1</u> |

END OF SEARCH HISTORY

**Set Name Query**

side by side

**Hit Count Set Name**

result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*L15 ((program guide) near15 pay-per-view) and cursor and highlight\$ 41 L15L14 (725/\$.ccls.) and (((VOD or video-on-demand) near12 program guide) same pay-per-view) 4 L14L13 (((discriminat\$ or distinguish\$) near7 (ppv or pay-per-view)) same time) 6 L13L12 (((discriminat\$ or distinguish\$) near5 time) same (ppv or pay-per-view)) 4 L12L11 (((discriminat\$ or distinguish\$) near5 time) near12 (ppv or pay-per-view)) 2 L11*DB=USPT; PLUR=YES; OP=ADJ*L10 l6 and (((discriminat\$ or distinguish\$) near5 time) near12 (ppv or pay-per-view)) 0 L10L9 l6 and (discriminat\$ near5 time) 0 L9L8 l6 and (distinguish\$ near5 time) 0 L8L7 l6 and (program guide near9 color) 0 L7L6 L4 and (((purchas\$ or order\$) near5 time) same pay-per-view) 24 L6L5 L4 and (((purchas\$ or order\$) near5 time) same program) 44 L5L4 L3 and (select\$ near9 time) 91 L4L3 L2 and ((detect\$ or discriminat\$ or distinguish\$) near9 time) 112 L3L2 (PPV or pay-per-view) and ((order\$ or purchas\$) near9 program\$) 571 L2L1 6473128.pn. and delay\$ 0 L1

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 4 of 4 returned.**☐ 1. Document ID: JP 09298731 A

L7: Entry 1 of 4

File: JPAB

Nov 18, 1997

PUB-NO: JP409298731A

DOCUMENT-IDENTIFIER: JP 09298731 A

TITLE: PROGRAM GUIDE DISPLAY CONTROLLER AND TELEVISION RECEIVER

| Full      | Title    | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC |
|-----------|----------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|
| Draw Desc | Clip Img | Image    |       |        |                |      |           |           |             |        |      |

☐ 2. Document ID: EP 897242 A1

L7: Entry 2 of 4

File: EPAB

Feb 17, 1999

PUB-NO: EP000897242A1

DOCUMENT-IDENTIFIER: EP 897242 A1

TITLE: PROGRAM GUIDE DISPLAY CONTROLLER AND TELEVISION RECEIVER

| Full      | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC |
|-----------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|
| Draw Desc | Image |          |       |        |                |      |           |           |             |        |      |

☐ 3. Document ID: WO 9741689 A1

L7: Entry 3 of 4

File: EPAB

Nov 6, 1997

PUB-NO: WO009741689A1

DOCUMENT-IDENTIFIER: WO 9741689 A1

TITLE: PROGRAM GUIDE DISPLAY CONTROLLER AND TELEVISION RECEIVER

| Full      | Title    | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC |
|-----------|----------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|
| Draw Desc | Clip Img | Image    |       |        |                |      |           |           |             |        |      |

☐ 4. Document ID: JP 3276842 B WO 9741689 A1 JP 09298731 A JP 09331484 A JP 09331485 A EP 897242 A1 US 20010035915 A1

L7: Entry 4 of 4

File: DWPI

Apr 22, 2002

DERWENT-ACC-NO: 1997-550111

DERWENT-WEEK: 200234

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TITLE: Program guide display controller for television - uses vertical axis or horizontal axis as channel number axis and other as time base and discriminates time

**WEST**☐ Generate Collection☐ Print

L16: Entry 3 of 4

File: EPAB

Nov 6, 1997

PUB-NO: WO009741689A1

DOCUMENT-IDENTIFIER: WO 9741689 A1

TITLE: PROGRAM GUIDE DISPLAY CONTROLLER AND TELEVISION RECEIVER

PUBN-DATE: November 6, 1997

## INVENTOR-INFORMATION:

NAME

COUNTRY

YAMASHITA, AKIHIKO

JP

WAKISAKA, MASAKO

JP

TSUNODA, HIROSHI

JP

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

SANYO ELECTRIC CO

JP

YAMASHITA AKIHIKO

JP

WAKISAKA MASAKO

JP

TSUNODA HIROSHI

JP

APPL-NO: JP09701483

APPL-DATE: April 25, 1997

PRIORITY-DATA: JP10901796A (April 30, 1996)

INT-CL (IPC): H04 N 7/16

## ABSTRACT:

A program guide display controller which displays the guide of a plurality of programs on a display in a matrix state by using either the vertical axis or the horizontal axis as a channel number axis and the other as a time base so as to prevent the user from purchasing two or more PPV programs which are telecast in the same time zone. The controller comprises a means which makes a display for discriminating the time zones in which purchased programs exist from the time zones in which no purchased program exists.

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L16: Entry 1 of 4

File: JPAB

Nov 18, 1997

PUB-NO: JP409298731A

DOCUMENT-IDENTIFIER: JP 09298731 A

TITLE: PROGRAM GUIDE DISPLAY CONTROLLER AND TELEVISION RECEIVER

PUBN-DATE: November 18, 1997

## INVENTOR-INFORMATION:

NAME

COUNTRY

YAMASHITA, AKIHIKO

OTSUKI, MASAKO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

SANYO ELECTRIC CO LTD

APPL-NO: JP08109017

APPL-DATE: April 30, 1996

INT-CL (IPC): H04 N 7/16

## ABSTRACT:

PROBLEM TO BE SOLVED: To prevent plural PPV, which are broadcasted in the same time zone, from being purchased by providing a means for performing display in order to discriminate the time zone, where a purchased program exists, and the time zone in which that program does not exist.

SOLUTION: A CPU 6 generates an index table for accessing the guide information of respective programs corresponding to respective channels while regarding it as two-dimensional arrangement information, in which the longitudinal direction shows the channel and the lateral direction shows the time, and using a channel number and a slot number showing the time. When program guide display is selected by an operating part 5, the CPU 6 generates a display table based on the channel number selected just before, current time and index table. Since the display is performed for discriminating the time zone in which the purchased program exists and the time zone in which the purchased program does not exist, a user can immediately know the time band, in which the purchased program exists, through a program guide picture.

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**WEST****End of Result Set**

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L15: Entry 1 of 1

File: JPAB

Dec 22, 1997

PUB-NO: JP409331484A

DOCUMENT-IDENTIFIER: JP 09331484 A

TITLE: PROGRAM GUIDE DISPLAY CONTROLLER AND TELEVISION RECEIVER

PUBN-DATE: December 22, 1997

## INVENTOR-INFORMATION:

NAME

COUNTRY

TSUNODA, HIROSHI

OTSUKI, MASAKO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

SANYO ELECTRIC CO LTD

APPL-NO: JP08147034

APPL-DATE: June 10, 1996

INT-CL (IPC): H04 N 5/445; H04 N 7/16

## ABSTRACT:

PROBLEM TO BE SOLVED: To facilitate the reserved purchase of a PPV (pay per view) program in a time zone set by a user by letting the user confirm the guide of the program to be broadcasted in that time zone.

SOLUTION: When the program guide is selected by an operating part 5, a channel number selected just before and current time are read, and reference cells are set from all the program guide areas. A display table is prepared with these cells as index tables, the information in the table is sent from a CPU 6 to a program guide image generation circuit 4, program image generating processing is performed, a program guide image is generated on a display memory and successively read later, and a program guide picture is displayed on a display 8. At such a time, when any time zone is set by the user, the set time zone of the picture display area and the other time zone area are displayed in different colors, a following key input is waited. In this case, program guide information is composed of a title name, category such as sports or drama and start/end time, etc., and concerning the PPV program, its toll is added.

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**WEST****End of Result Set**

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L16: Entry 4 of 4

File: DWPI

Apr 22, 2002

DERWENT-ACC-NO: 1997-550111

DERWENT-WEEK: 200234

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TITLE: Program guide display controller for television - uses vertical axis or horizontal axis as channel number axis and other as time base and discriminates time zones for display

INVENTOR: TSUNODA, H; WAKISAKA, M ; YAMASHITA, A

## PATENT-ASSIGNEE:

ASSIGNEE

CODE

SANYO ELECTRIC CO LTD

SAOL

TSUNODA H

TSUNI

WAKISAKA M

WAKII

YAMASHITA A

YAMAI

PRIORITY-DATA: 1996JP-0152228 (June 13, 1996), 1996JP-0109017 (April 30, 1996), 1996JP-0147034 (June 10, 1996)

## PATENT-FAMILY:

| PUB-NO            | PUB-DATE          | LANGUAGE | PAGES | MAIN-IPC    |
|-------------------|-------------------|----------|-------|-------------|
| JP 3276842 B      | April 22, 2002    |          | 010   | H04N005/445 |
| WO 9741689 A1     | November 6, 1997  | J        | 046   | H04N007/16  |
| JP 09298731 A     | November 18, 1997 |          | 010   | H04N007/16  |
| JP 09331484 A     | December 22, 1997 |          | 008   | H04N005/445 |
| JP 09331485 A     | December 22, 1997 |          | 009   | H04N005/445 |
| EP 897242 A1      | February 17, 1999 | E        | 000   | H04N007/16  |
| US 20010035915 A1 | November 1, 2001  |          | 000   | H04N005/50  |

DESIGNATED-STATES: CA CN KR SG US DE ES FR GB DE ES FR GB

CITED-DOCUMENTS: JP 07184131; JP 54041011 ; JP 55164677

APPLICATION-DATA:

| PUB-NO          | APPL-DATE        | APPL-NO        | DESCRIPTOR     |
|-----------------|------------------|----------------|----------------|
| JP 3276842B     | April 30, 1996   | 1996JP-0109017 |                |
| JP 3276842B     |                  | JP 9298731     | Previous Publ. |
| WO 9741689A1    | April 25, 1997   | 1997WO-JP01483 |                |
| JP 09298731A    | April 30, 1996   | 1996JP-0109017 |                |
| JP 09331484A    | June 10, 1996    | 1996JP-0147034 |                |
| JP 09331485A    | June 13, 1996    | 1996JP-0152228 |                |
| EP 897242A1     | April 25, 1997   | 1997EP-0919726 |                |
| EP 897242A1     | April 25, 1997   | 1997WO-JP01483 |                |
| EP 897242A1     |                  | WO 9741689     | Based on       |
| US20010035915A1 | April 25, 1997   | 1997WO-JP01483 |                |
| US20010035915A1 | October 27, 1998 | 1998US-0147094 |                |

INT-CL (IPC): G09 G 5/00; G09 G 5/08; H04 N 5/445; H04 N 5/50; H04 N 7/16

ABSTRACTED-PUB-NO: US20010035915A  
BASIC-ABSTRACT:

The display controller includes a display for several programs displayed in a matrix state. Either the vertical axis or the horizontal axis is used as a channel number axis and the other as a time base.

The time zones are discriminated in which purchased programs exist from the time zones in which no purchased program exists and displayed.

ADVANTAGE - Prevents user from purchasing two or more PPV programs which are telecast in same time zone.

ABSTRACTED-PUB-NO:

WO 9741689A

EQUIVALENT-ABSTRACTS:

The display controller includes a display for several programs displayed in a matrix state. Either the vertical axis or the horizontal axis is used as a channel number axis and the other as a time base.

The time zones are discriminated in which purchased programs exist from the time zones in which no purchased program exists and displayed.

ADVANTAGE - Prevents user from purchasing two or more PPV programs which are telecast in same time zone.

CHOSEN-DRAWING: Dwg.5/19

TITLE-TERMS: PROGRAM GUIDE DISPLAY CONTROL TELEVISION VERTICAL AXIS HORIZONTAL AXIS CHANNEL NUMBER AXIS TIME BASE DISCRIMINATE TIME ZONE DISPLAY

DERWENT-CLASS: P85 W02 W03

EPI-CODES: W02-F10E; W03-A16C5E;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-458662